



M 5.6, 47km ENE of Jomalig, Philippines

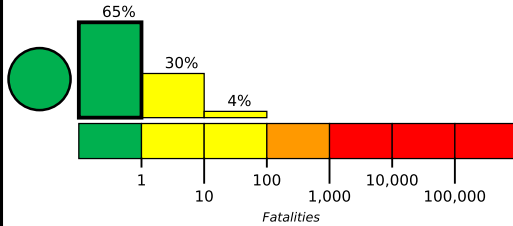
Origin Time: 2019-11-06 20:52:56 UTC (Thu 04:52:56 local)

Location: 14.8732° N 122.7780° E Depth: 20.5 km

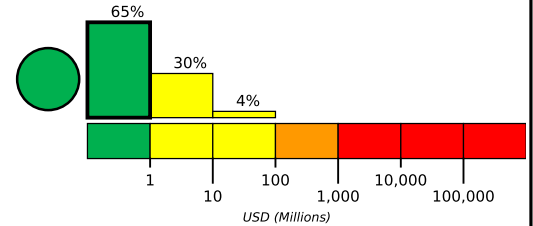
Created: 1 week, 6 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

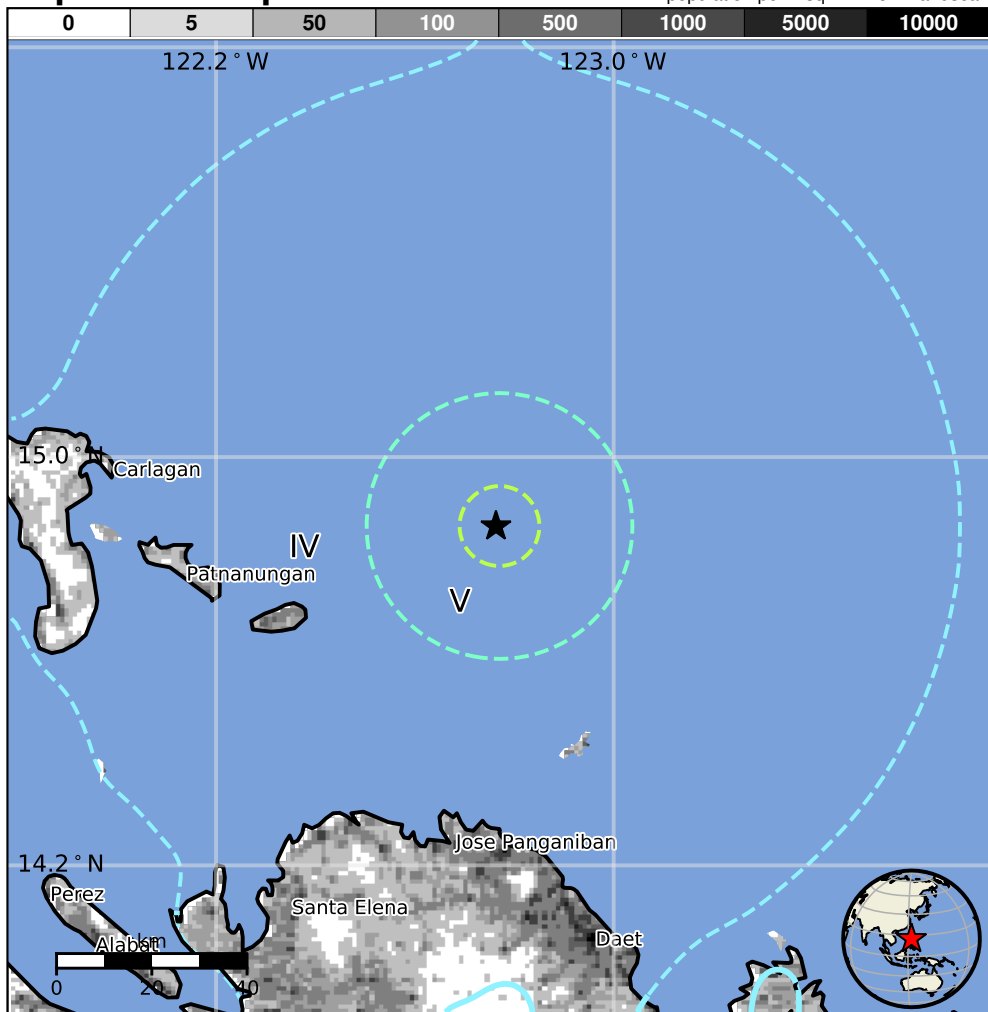


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	97k*	851k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1977-03-18	215	7.2	VII(520k)	1
1999-12-11	338	7.2	VIII(17k)	1
1990-07-16	195	7.7	IX(893k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Casuguran	2k
IV	Vinzons	14k
IV	Patnanungan	7k
IV	Talubatif	3k
IV	Tugos	4k
IV	Guinacotan	3k
IV	Labo	18k
IV	Jose Panganiban	21k
IV	Daet	78k
IV	Mercedes	17k
III	Atimonan	29k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000645k#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000645k